

Mountain Wave (MWAVE)	
LEAD AGENCY/POINT OF CONTACT: DOC, Mark Andrews, National Weather Service, Aviation Weather Services Branch, 301-713-1726 x109, Mark.Andrews@noaa.gov	
TRAINING POINT OF CONTACT: Dave Knapp, Aviation Weather Center, Aviation Support Branch, 816-584-7238, dknapp@awc.kc.noaa.gov	
PROGRAM/PROJECT DESCRIPTION: MWAVE is an experimental product designed to diagnose areas prone to mountain wave turbulence conditions. Values of Breaking Pressure Drag are calculated on a scale of 1 (LGT-MDT) to 5 (SVR) and presented in layers of 1000-2000 feet thickness. This is not yet an operational product and may not be approved for such use.	
I. TRAINING REQUIREMENTS:	
A. Trainees	B. Skill Level of Designated Trainees
Air Traffic Controllers	
⇒ Flight Service Station	En-Route Flight Advisor <input checked="" type="checkbox"/>
⇒ En-Route	Journey Level <input checked="" type="checkbox"/>
⇒ DoD Controller	Journeyman <input checked="" type="checkbox"/>
Traffic Managers	Command Center Traffic Management Specialist <input checked="" type="checkbox"/> Traffic Management Unit Traffic Management Specialist <input checked="" type="checkbox"/>
Pilots	
⇒ Commercial	Flight Engineer <input checked="" type="checkbox"/> First Officer <input checked="" type="checkbox"/> Captain <input checked="" type="checkbox"/>
⇒ General Aviation	Student <input checked="" type="checkbox"/> Private <input checked="" type="checkbox"/> Commercial <input checked="" type="checkbox"/> Air Transport <input checked="" type="checkbox"/> Instrument Rated <input checked="" type="checkbox"/> Instructor <input checked="" type="checkbox"/>
⇒ Military	Student <input checked="" type="checkbox"/> Line <input checked="" type="checkbox"/> Instructor <input checked="" type="checkbox"/> Examiner <input checked="" type="checkbox"/>
Navigators (DoD)	Student <input checked="" type="checkbox"/> Line <input checked="" type="checkbox"/> Instructor <input checked="" type="checkbox"/> Examiner <input checked="" type="checkbox"/>
DoD Forecaster/Meteorologists	
Air Force	
⇒ Enlisted	Journeyman <input checked="" type="checkbox"/> Craftsman <input checked="" type="checkbox"/>
⇒ Civilian	Forecaster <input checked="" type="checkbox"/>
⇒ Officer	Fully Qualified <input checked="" type="checkbox"/>
Navy	
⇒ Enlisted	Forecaster <input checked="" type="checkbox"/> Master Forecaster <input checked="" type="checkbox"/>
⇒ Civilian	Forecaster <input checked="" type="checkbox"/>
⇒ Officer	Forecaster <input checked="" type="checkbox"/>
National Weather Service	
⇒ Forecasters/Meteorologists	Journeyman <input checked="" type="checkbox"/> Senior Forecaster <input checked="" type="checkbox"/> Science and Operations Officer <input checked="" type="checkbox"/> Warning Coordination Meteorologist <input checked="" type="checkbox"/> Meteorologist-in-Charge <input checked="" type="checkbox"/> Center Weather Service Unit Meteorologist <input checked="" type="checkbox"/> Applied Research Meteorologist <input checked="" type="checkbox"/>
⇒ Headquarters	Program Manager <input checked="" type="checkbox"/>
Private Sector	
⇒ Forecasters	Senior Forecaster <input checked="" type="checkbox"/>
⇒ Researchers	Master's <input checked="" type="checkbox"/> Doctorate <input checked="" type="checkbox"/>
⇒ Consultants	AMS Certified Consulting Meteorologist <input checked="" type="checkbox"/>
⇒ Program/Project Managers	Scientist <input checked="" type="checkbox"/> Senior Scientist <input checked="" type="checkbox"/> Program/Project Director <input type="checkbox"/>
⇒ Meteorological Technicians	Senior Technician <input checked="" type="checkbox"/>
C. Training Required	
Familiarization <input checked="" type="checkbox"/>	
Refresher Training <input checked="" type="checkbox"/>	
Basic Knowledge <input checked="" type="checkbox"/> Basic Task Performance <input checked="" type="checkbox"/>	
II. TRAINING DEVELOPMENT/DELIVERY:	
A. Training Program Status	
Determination of Training Requirements <input checked="" type="checkbox"/> (current)	
Determination of Training Concept <input checked="" type="checkbox"/> (current)	
B. Training Method	
Computer Based Training (Web-on-line, CD training modules) <input checked="" type="checkbox"/>	
Formal Classroom (Lecture/Discussion) <input checked="" type="checkbox"/>	
Self-study (Text, Videotape) <input checked="" type="checkbox"/>	
On-the-job Training (Operational Area) <input checked="" type="checkbox"/>	
C. Training Delivery Resources	
Computer Based Instruction <input checked="" type="checkbox"/>	
Operational Product <input checked="" type="checkbox"/>	
Test Bed <input checked="" type="checkbox"/>	

D. Training Provider

Professional Associations/Organizations

- ⇒ NWA ☒
⇒ AMS ☒

Federal Agency

- ⇒ NOAA ☒
⇒ FAA ☒
⇒ DoD Air Force ☒
⇒ Non-Government Organizations
⇒ UCAR/COMET ☒

Other: X'd boxes indicate agencies that conceivably could provide training.

E. Training MeasurementNo Formal Measurement ☒**F. Training References**Product Description Document/Guide ☒**G. Training Completion Documentation**Individual Training Records ☒**III. TRAINING IDENTIFICATION/DESCRIPTION****A. Training Identification**

Name:

Location: TBD

B. Training Length

approximately 2 hours

C. Group Size

Minimum: 1

Desired: 10

Maximum: approximately 30

D. Trainer to Trainee RatioOne trainer for 6 to 12 trainees ☒**E. Point of Contact to Request Training**

Name: Dave Knapp

Organization: Aviation Weather Center, Aviation Weather Services Division

Phone Number: 816-584-7238

E-mail Address: dknapp@awc.kc.noaa.gov